

ABSTRACT

5 A tool for implementing a Floating-Point related
application. The tool includes a receiver for receiving a
list of commands in a computer language. The language
defines Floating-Point events of interest and the
regrouping of events into a coverage model in respect of
a desired FP instruction. The coverage model has the form
10 of a sequence of Floating-Point commands with constraints
on the input operands, intermediate result operand and
the result operand. The constraints are expressed in
terms of sets that define allowable Floating-Point
numbers. The tool further includes a parser for parsing
15 the commands and a processor for processing the parsed
commands for realizing on the basis of the events and the
coverage model the Floating -point related application.

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